

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
11-R-0006

CUSTOMER NO.
75

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

UNIVERSITY OF MAINE
5717 CORBETT HALL-ROOM 443
ORONO, ME 04469
(207) 581-1498

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS/sites

See Attached Listing

RECEIVED

NOV 15 2006

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters		22			22
8. Rabbits			37		37
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Horses		14			14
13. Other Animals					
Black Bears*		106			106
American Marten*		8			8

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

(b)(6), (b)(7)c

(Type or Print)

DATE SIGNED

6 Nov 2006

PART 1 - HEADQUARTERS

(AUG 91)

FORM APPROVED
OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

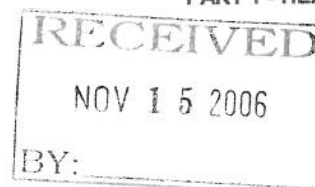
UNIVERSITY OF MAINE
5717 CORBETT HALL-ROOM 443
ORONO, ME 04469
(207) 581-1498

[illegible]

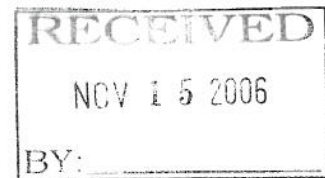
- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). **A summary of all the exceptions is attached to this annual report.** In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED _____



**University of Maine
11-R-0006**



Facility Locations:

One site for the University of Maine includes the

(b)(2)High, (b)(7)f

(b)(2)High, (b)(7)f

Animals listed with "*" were used in field studies and not housed in research facilities.

NOTE: The Maine Department of Inland Fisheries and Wildlife maintains a Wildlife Park in Gray, Maine where wildlife are housed when they cannot be returned to the wild. The facility had two bears being housed during this reporting period which were handled and sampled identically to the procedures for bears in the wild.

University of Maine
Registration # 11-R-0006
Reporting of Exceptions
10/1/2005-09/30/2006

We have included this project as an exception based on our interpretation of the USDA's Reportable IACUC-Approved Exceptions (hamsters are kept in light-dark cycles, constant light, constant darkness, and brief light pulses; they are housed in commercial cages that are 5.0 inches in height, not the 5 ½ inches normally required for hamsters). If we have misinterpreted this Policy, please let us know by contacting the Office of the Institutional Animal Care and Use Committee (207/581-1498).

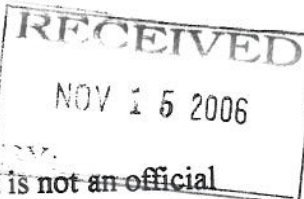
Approved Study Allowing Exceptions to the Standards and Regulations Under the Act:

The protocol entitled, "Effects of Ethanol on the Rodent Circadian Pacemaker" was approved on 02/16/2005. Approved number of Syrian hamsters: 148 (over three year period); number used during this reporting period: 22. The most recent annual review of this project was conducted on 01/03/2006.

Lighting exception approved by the IACUC: animals are kept in either light-dark cycles, constant light, constant darkness, and brief light pulses for the circadian rhythm studies. Food is always freely available.

Cage size exception approved by the IACUC: the cages are standard commercial cages designed for rats that the investigator has used for much of his circadian rhythm research. The IACUC agreed that the lack of ½ inch space is not detrimental to the health and well being of the animals. The animals have free access to a 14-inch diameter running wheel, giving them 7 inches of headroom while in the wheel; the wheel is about 4.25 inches wide. Animals are held in this innovative housing for a period of several weeks to several months, depending on the circadian rhythm experiment. The IACUC approved the use of "innovative primary enclosures that do not precisely meet the space requirements, but do provide the hamsters with sufficient volume of space and the opportunity to express species-typical behavior."

Column E Explanation



This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: **11-R-0006**

2&3. Number of animals and Species (common name) used in this study:

"Long-Term Study of an Oak-Pine Forest Ecosystem," A2004-08-01

	Total Captures	# Found Dead	# Euthanized	# Released
Short-tailed Shrew	1	1	0	0
Eastern Chipmunk	79	0	0	79
So. Flying Squirrel	4	0	0	4
Woodland Jumping Mouse	1	0	0	1
White-footed Mouse	736	1*	0	735
Red-backed Vole	69	0	0	69
TOTAL	890	2	0	888

Total trapnights for August Session = 2,141

*Mortality caused by predator

4. Explain the procedure producing pain and/or distress.

Animals are live trapped and released at capture site. A cotton nestlet is placed in each trap to occupy their time and to provide insulation. Sufficient food is placed in each trap for animals to maintain metabolism. Apple pieces are added for a source of moisture. Each trap is covered by a cedar shingle to keep the trap dry in wet weather and to keep direct sunlight off the trap. Despite these procedures, incidental mortality was expected by the investigator. Animals found dead are reported in Column E of the report, as they presumably suffered.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below.)

N/A. Objectives of the study are to document population changes over a long period of time, to document habitat use, and document the effects of forest harvesting on populations and habitat use. Animals are marked, sexed, aged, weighed, and sometimes measured. They are also examined for ticks and other parasites. Animals are marked (ear tags, PIT tags, marker), so that individuals can be recognized, which is an essential component of mark/recapture studies. The IACUC will review these numbers.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102): N/A

Agency _____

CFR _____